ELSEVIER

Neuroscience Letters 235 (1997) 164–165

Neuroscience Letters

# Contents to Volume 235

**Volume 235, nos. 1,2**

*Guidelines for the Submission of Manuscripts* v

Amyloid precursor protein activates phosphotyrosine signaling pathway
I. Mook-Jung, T. Saitoh (USA, South Korea) 1

Increased S100$\beta$ in the cerebrospinal fluid of patients with frontotemporal dementia
A.J.E. Green, R.J. Harvey, E.J. Thompson, M.N. Rossor (UK) 5

Attenuation of experimental autoimmune neuritis in the Lewis rat by treatment with an antibody to L-selectin
J.J. Archelos, T. Fortwängler, H.-P. Hartung (Germany, Austria) 9

Inhibitory action of a calcium channel blocker (nimodipine) on seizures and brain damage induced by pilocarpine and lithium-pilocarpine in rats
M.M.F. Marinho, V.M.S. de Bruin, F.C.F. de Sousa, L.M.V. Aguiar, R.S.N. de Pinho, G.S.B. Viana (Brazil) 13

Presenilin-1, amyloid precursor protein and amyloid precursor-like protein 2 mRNA levels in human superior frontal cortex during aging
F.M. Flood, R.F. Cowburn, J.A. Johnston (Sweden, UK) 17

The basic pattern of activation in motor and sensory temporal tasks: positron emission tomography data
H. Lejeune, P. Maquet, M. Bonnet, L. Casini, A. Ferrara, F. Macar, V. Pouthas, M. Timsit-Berthier, F. Vidal (Belgium, France) 21

Absence of oxidative stress following paradoxical sleep deprivation in rats
V. D'Almeida, D.C. Hipólide, L.A. Azzalis, L.L. Lobo, V.B.C. Junqueira, S. Tufik (Brazil) 25

Differential induction of superoxide dismutase in core and penumbra regions after transient focal ischemia in the rat neocortex
T. Toyoda, K.S. Lee (USA) 29

Temporal processing disorders in patients with Broca's aphasia
E. Szelag, N. von Steinbüchel, E. Pöppel (Poland, Germany) 33

Orphanin FQ potentiates formalin-induced pain behavior and antagonizes morphine analgesia in rats
C.-B. Zhu, X.-D. Cao, S.-F. Xu, G.-C. Wu (China) 37

Development of the striatal projection from embryonic neurons from the lateral or medial frontal cortex grafted homo- or heterotopically into the medial frontal cortex of newborn rats
C. Garnier, P. Arnault, M. Roger (France) 41

Phosphorylation of retinoblastoma protein at apoptotic cell death in rat neuroblastoma B50 cells
N. Honma, Y. Hosono, T. Kishimoto, S.-i. Hisanaga (Japan) 45

Regional cerebral glucose metabolism in dementia with Lewy bodies and Alzheimer's disease: a comparative study using positron emission tomography
T. Imamura, K. Ishii, M. Sasaki, H. Kitagaki, S. Yamaji, N. Hirono, T. Shimomura, M. Hashimoto, S. Tanimukai, H. Kazui, E. Mori (Japan) 49

Glial reaction in the hippocampal formation is highly correlated with aging in human brain
J.-P. David, F. Ghozali, C. Fallet-Bianco, A. Wattez, S. Delaine, B. Boniface, C. Di Menza, A. Delacourte (France) 53

Identification of Spanish familial Parkinson's disease and screening for the Ala53Thr mutation of the $\alpha$-synuclein gene in early onset patients
E. Muñoz, R. Oliva, V. Obach, M.J. Martí, P. Pastor, F. Ballesta, E. Tolosa (Spain) 57

Distribution of NADPH-diaphorase activity in the hypothalamo-hypophysial system of the frog, *Rana esculenta*
P.D. Prasada Rao, T. Sato, M. Ueck (India, Japan, Germany) 61

Semantic aspects of novelty detection in humans
A. Mecklinger, B. Opitz, A.D. Friederici (Germany) 65

Sera from amyotrophic lateral sclerosis patients reduce high-voltage activated $Ca^{2+}$ currents in mice dorsal root ganglion neurons
H. Dun Yan, W. Lim, K. Woo Lee, J. Kim (South Korea) 69

Ruthenium red and capsazepine antinociceptive effect in formalin and capsaicin models of pain in mice
A.R.S. Santos, J.B. Calixto (Brazil) 73

Chronic glutathione depletion alters expression of enteric inhibitory neurochemicals in the mouse
T.R. Koch, J.G. Fink, E. Ruan, A. Petro, E.C. Opara (USA) 77

A neutral *N*-methyltransferase activity in the striatum determines the level of an endogenous $MPP^+$-like neurotoxin, 1,2-dimethyl-6,7-dihydroxyisoquinolinium ion, in the substantia nigra of human brains
M. Naoi, W. Maruyama, K. Matsubara, Y. Hashizume (Japan) 81

Immunohistochemical detection of nitrotyrosine in postischemic cerebral cortex in gerbil
K. Tanaka, T. Shirai, E. Nagata, T. Dembo, Y. Fukuuchi (Japan) 85

0304-3940/97/$17.00 © 1997 Elsevier Science Ireland Ltd. All rights reserved
*PII* S0304-3940(97)00775-1

ELSEVIER

Neuroscience Letters 235 (1997) 164–165

Neuroscience Letters

# Contents to Volume 235

**Volume 235, nos. 1,2**

*Guidelines for the Submission of Manuscripts* v

Amyloid precursor protein activates phosphotyrosine signaling pathway
I. Mook-Jung, T. Saitoh (USA, South Korea) 1

Increased S100$\beta$ in the cerebrospinal fluid of patients with frontotemporal dementia
A.J.E. Green, R.J. Harvey, E.J. Thompson, M.N. Rossor (UK) 5

Attenuation of experimental autoimmune neuritis in the Lewis rat by treatment with an antibody to L-selectin
J.J. Archelos, T. Fortwängler, H.-P. Hartung (Germany, Austria) 9

Inhibitory action of a calcium channel blocker (nimodipine) on seizures and brain damage induced by pilocarpine and lithium-pilocarpine in rats
M.M.F. Marinho, V.M.S. de Bruin, F.C.F. de Sousa, L.M.V. Aguiar, R.S.N. de Pinho, G.S.B. Viana (Brazil) 13

Presenilin-1, amyloid precursor protein and amyloid precursor-like protein 2 mRNA levels in human superior frontal cortex during aging
F.M. Flood, R.F. Cowburn, J.A. Johnston (Sweden, UK) 17

The basic pattern of activation in motor and sensory temporal tasks: positron emission tomography data
H. Lejeune, P. Maquet, M. Bonnet, L. Casini, A. Ferrara, F. Macar, V. Pouthas, M. Timsit-Berthier, F. Vidal (Belgium, France) 21

Absence of oxidative stress following paradoxical sleep deprivation in rats
V. D'Almeida, D.C. Hipólide, L.A. Azzalis, L.L. Lobo, V.B.C. Junqueira, S. Tufik (Brazil) 25

Differential induction of superoxide dismutase in core and penumbra regions after transient focal ischemia in the rat neocortex
T. Toyoda, K.S. Lee (USA) 29

Temporal processing disorders in patients with Broca's aphasia
E. Szelag, N. von Steinbüchel, E. Pöppel (Poland, Germany) 33

Orphanin FQ potentiates formalin-induced pain behavior and antagonizes morphine analgesia in rats
C.-B. Zhu, X.-D. Cao, S.-F. Xu, G.-C. Wu (China) 37

Development of the striatal projection from embryonic neurons from the lateral or medial frontal cortex grafted homo- or heterotopically into the medial frontal cortex of newborn rats
C. Garnier, P. Arnault, M. Roger (France) 41

Phosphorylation of retinoblastoma protein at apoptotic cell death in rat neuroblastoma B50 cells
N. Honma, Y. Hosono, T. Kishimoto, S.-i. Hisanaga (Japan) 45

Regional cerebral glucose metabolism in dementia with Lewy bodies and Alzheimer's disease: a comparative study using positron emission tomography
T. Imamura, K. Ishii, M. Sasaki, H. Kitagaki, S. Yamaji, N. Hirono, T. Shimomura, M. Hashimoto, S. Tanimukai, H. Kazui, E. Mori (Japan) 49

Glial reaction in the hippocampal formation is highly correlated with aging in human brain
J.-P. David, F. Ghozali, C. Fallet-Bianco, A. Wattez, S. Delaine, B. Boniface, C. Di Menza, A. Delacourte (France) 53

Identification of Spanish familial Parkinson's disease and screening for the Ala53Thr mutation of the $\alpha$-synuclein gene in early onset patients
E. Muñoz, R. Oliva, V. Obach, M.J. Martí, P. Pastor, F. Ballesta, E. Tolosa (Spain) 57

Distribution of NADPH-diaphorase activity in the hypothalamo-hypophysial system of the frog, *Rana esculenta*
P.D. Prasada Rao, T. Sato, M. Ueck (India, Japan, Germany) 61

Semantic aspects of novelty detection in humans
A. Mecklinger, B. Opitz, A.D. Friederici (Germany) 65

Sera from amyotrophic lateral sclerosis patients reduce high-voltage activated $Ca^{2+}$ currents in mice dorsal root ganglion neurons
H. Dun Yan, W. Lim, K. Woo Lee, J. Kim (South Korea) 69

Ruthenium red and capsazepine antinociceptive effect in formalin and capsaicin models of pain in mice
A.R.S. Santos, J.B. Calixto (Brazil) 73

Chronic glutathione depletion alters expression of enteric inhibitory neurochemicals in the mouse
T.R. Koch, J.G. Fink, E. Ruan, A. Petro, E.C. Opara (USA) 77

A neutral *N*-methyltransferase activity in the striatum determines the level of an endogenous $MPP^+$-like neurotoxin, 1,2-dimethyl-6,7-dihydroxyisoquinolinium ion, in the substantia nigra of human brains
M. Naoi, W. Maruyama, K. Matsubara, Y. Hashizume (Japan) 81

Immunohistochemical detection of nitrotyrosine in postischemic cerebral cortex in gerbil
K. Tanaka, T. Shirai, E. Nagata, T. Dembo, Y. Fukuuchi (Japan) 85

0304-3940/97/$17.00 © 1997 Elsevier Science Ireland Ltd. All rights reserved
*PII* S0304-3940(97)00775-1

Brain $Na^+/K^+$-ATPase activity in two anoxia tolerant vertebrates: crucian carp and freshwater turtle
P. Hylland, S. Milton, M. Pek, G.E. Nilsson, P.L. Lutz (Norway, USA) 89
The non-competitive AMPA antagonist LY 300168 (GYKI 53655) attenuates AMPA-induced hippocampal injury in neonatal rodents
X.-H. Liu, P. Wang, J.D.E. Barks (USA) 93
Expression of GABA transporter mRNAs in the developing and adult rat optic nerve
A.G. Howd, M. Rattray, A.M. Butt (UK) 98

**Volume 235, no. 3**

Estrogen blocks neurotoxic effects of β-amyloid (1–42) and induces neurite extension on B103 cells
I. Mook-Jung, I. Joo, S. Sohn, H.J. Kwon, K. Huh, M.W. Jung (South Korea) 101
Human brain potentials to reading syntactic errors in sentences of different complexity
T.F. Münte, A. Szentkuti, B.M. Wieringa, M. Matzke, S. Johannes (Germany, USA) 105
Human equilibrium on unstable support: the importance of feet-support interaction
Y.P. Ivanenko, Y.S. Levik, V.L. Talis, V.S. Gurfinkel (Russia) 109
Calcitonin gene-related peptide- and substance P-like immunoreactive fibers in the spermatic nerve and testis of the dog
R. Tamura, U. Hanesch, R.F. Schmidt, T. Kumazawa, K. Mizumura (Japan, Germany) 113
Characterization of ligand binding properties of the 5-$HT_{1D}$ receptors cloned from chimpanzee, gorilla and rhesus monkey in comparison with those from the human and guinea pig receptors
J.F. Pregenzer, G.L. Alberts, J.H. Bock, J.L. Slightom, W.B. Im (USA) 117
Time course of human 40 Hz EEG activity accompanying P3 responses in an auditory oddball paradigm
J. Fell, H. Hinrichs, J. Röschke (Germany) 121
A comparison of (±)epibatidine with NMDA in releasing [$^3$H]noradrenaline and adenosine from slices of rat hippocampus and parietal cortex
T.D. White, K. Semba (Canada) 125
Expression of β-catenin and the adenomatous polyposis coli tumour suppressor protein in mouse neocortical cells in vitro
E.E. Morrison, J. Askham, P. Clissold, A.F. Markham, D.M. Meredith (UK) 129
PAF analogues capable of inhibiting PAF acetylhydrolase activity suppress migration of isolated rat cerebellar granule cells
T. Adachi, J. Aoki, H. Manya, H. Asou, H. Arai, K. Inoue (Japan) 133
Evidence against increased oxidative DNA-damage in Down syndrome
R. Seidl, S. Greber, E. Schuller, G. Bernert, N. Cairns, G. Lubec (Austria, UK) 137
Early detection of optic nerve-evoked response in the superior colliculus of the neonatal rat
C.H. Lim, S.M. Ho (Australia) 141
Connectivity patterns of cone horizontal cells in blue acara (*Aequidens pulcher*, Cichlidae) reared in different light regimes
S.C. Braun, R.H.H. Kröger, H.-J. Wagner (Germany) 145
Characterization of tau proteins in human neuroblastoma SH-SY5Y cell line
D. Uberti, C. Rizzini, P. Spano, M. Memo (Italy) 149
The effect of naturally occurring fragments of galanin message-associated peptide on spinal cord excitability in rats
S. Andell-Jonsson, I.S. Xu, T. Bartfai, X.-J. Xu, Z. Wiesenfeld-Hallin (Sweden) 154
Stimulated release of the β-amyloid protein of Alzheimer's disease by normal human platelets
C.C.T. Smith (UK) 157

*Announcement* 160
*Author Index to Volume 235* 161
*Contents to Volume 235* 164